Appendix A
Cable Connectors and Pinouts

This chapter contains tables that list the pinouts for the following cable connectors on the routing node:

Routing Engine Console Port DB-9 Connector on page 229

Routing Engine Auxiliary Port DB-9 Connector on page 230

Routing Engine Management Ethernet Port RJ-45 Connector on page 230

Routing Engine Console Port DB-9 Connector

The Routing Engine console port DB-9 connector is used to cable the Routing Engine to the management console. It is located on the CIP and is labeled CONSOLE. Table 25 lists the pinouts of the DB-9 connector.

Table 25: Console Port DB-9 Connector Pinout

Pin	Signal	Direction	Description
1	DCD	< –	Carrier Detect
2	RxD	< –	Receive Data
3	TxD	–>	Transmit Data
4	DTR	–>	Data Terminal Ready
5	Ground	—	Signal Ground
6	DSR	< –	Data Set Ready
7	RTS	–>	Request To Send
8	CTS	< –	Clear To Send
9	RING	< –	Ring Indicator

Routing Engine Auxiliary Port DB-9 Connector

The Routing Engine console port DB-9 connector is used to cable the Routing Engine to modem, laptop, or other auxiliary unit. It is located on the CIP and is labeled AUXILIARY. Table 26 lists the pinouts of the DB-9 connector.

Table 26: Auxiliary Port DB-9 Connector Pinout

Pin	Signal	Direction	Description
1	DCD	< –	Carrier Detect
2	RxD	< –	Receive Data
3	TxD	–>	Transmit Data
4	DTR	–>	Data Terminal Ready
5	Ground	—	Signal Ground
6	DSR	< –	Data Set Ready
7	RTS	–>	Request To Send
8	CTS	< –	Clear To Send
9	RING	< –	Ring Indicator

Routing Engine Management Ethernet Port RJ-45 Connector

The 10/100-Mbps autosensing Ethernet RJ-45 connector is used for out-of-band management of the routing node. It is located on the CIP and is labeled ETHERNET. Table 27 lists the pinouts of the RJ-45 connector.

Table 27: Ethernet Port RJ-45 Connector Pinout

Pin	Signal
1	TX+
2	TX –
3	RX+
4	Termination network
5	Termination network
6	RX –
7	Termination network
8	Termination network